

# The Contest JUG



NEWSLETTER OF THE  
NORTHERN CALIFORNIA CONTEST CLUB  
34456 COLEVILLE PLACE  
FREMONT CA 94546

JUNE 1982

NUMBER 122

PRESIDENT: W6SZN      VP/CC: KN6M      SCTY/TREAS: K6ZM  
DIRECTORS: AA6G, N6KB, N6XI, W6XX      JUG Post P: K6HNZ      JUG EDITOR: K6RU  
COMMITTEES: PROGRAM: OPEN      MEMBERSHIP: OPEN      FINANCE: N6AUV      AWARDS: KA6ING

## TO WIN THE WORLD

### COMING EVENTS

#### JUNE MEETING PROGRAM

"TO WIN THE WORLD" A NEW MOVIE ABOUT SUPER-STATION K2GL/N2AA  
IN DEFENSE OF THE WORLD TITLE IN THE 1982 DX CONTEST.

JUNE 26-27: FIELD DAY

JULY 10-11: IARU RADIOSPORT

JUNE 28: NCCC MEETING 7:30 PM, CWA  
HALL, HAYWARD

#### RANDOM MUSINGS FROM SIERRA ZIERRA NIERRA

A SUPER "THANK YOU" TO THOSE WHO MADE THE N6RO PICNIC SUCH A SUCCESS: TO RADIO OAKLEY HIMSELF FOR EVERYTHING, TO W6OWQ FOR HANDLING THE FOOD AND "REFRESHMENTS", AND TO KN6M AND K6ZM FOR CONDUCTING THE RAFFLE AND DONATING THE ITEMS CLAIMED BY THE "LUCKY" WINNERS. NOTED BIG GUN W3LPL FLEW OUT FROM THE EAST COAST FOR THE EVENT, NO DOUBT TO CONDUCT INTELLIGENCE OPERATIONS ON THE CLUB'S CONTEST PLANS, AND ENDED UP WITH A 6:1 SWR DUMMY LOAD FOR HIS EFFORTS. BY THE WAY, FOR THOSE WHO LOST OUT IN THE RAFFLE, I SUSPECT THAT MANY OF THE PRIZES WILL RESURFACE AT THE SUNNYVALE OLYMPICS AND YOU'LL GET ANOTHER CHANCE.

AT THE LAST BoD MEETING, WE KICKED AROUND SOME IDEAS CONCERNING THIS YEAR'S SUNNYVALE OLYMPICS. ONE THAT GAINED GENERAL APPROVAL WAS TO HOLD A RADIO CONTEST (AFTER ALL, THIS IS A CONTEST CLUB). ALTHOUGH THE PLANS ARE STILL AT A PRELIMINARY STAGE, WE PLAN TO HAVE AT LEAST TWO STATIONS SET UP AT THE PARK, WITH 10 OR 15 MINUTE CONTEST PERIODS. PICK YOUR MODE, LINE UP AN "OPPONENT", AGREE ON WHAT YOU'RE TRYING TO WORK AND HAVE AT IT. SUGGESTED NAMES FOR THE CONTEST SO FAR ARE THE "PUT UP OR SHUT UP QSO PARTY" AND THE "W9 MAMINAW MEMORIAL TEST".

IT'S NOT TOO EARLY TO START MAKING PLANS FOR THE CALIFORNIA QSO PARTY. THE WAY CONDITIONS HAVE BEEN LATELY, THIS MAY BE THE FIRST CONTEST SINCE WPX PHONE WHERE THERE'S SOMEONE OUT THERE TO WORK. CQP ACTIVITY GROWS EACH YEAR AND IT'S THE NEAREST THING TO BEING DX WITHOUT GOING OUTSIDE THE STATE. CHECK THE ALL-TIME COUNTY RECORDS IN THE 1981 CQP WRITEUP (MARCH 1982 JUG) AND YOU'LL FIND THAT MANY NEW COUNTY RECORDS CAN BE ESTABLISHED WITH ONLY A MODEST EFFORT. SO PICK A COUNTY (EXCEPT PLACER--PLEASE) AND LET ME KNOW WHERE YOU'LL BE FOR THE CQP.

THE RAFFLE FOR THIS MONTH'S MEETING OFFERS SOMETHING FOR EVERYONE: HRO KEYS, YAESU LIGHTWEIGHT PHONES, COAX WEATHERPROOFING SLEEVES, ARRL WORLD MAP. SEE U THERE.

73, KIP, W6SZN

MINUTES OF NCCC  
MEETING OF MAY 24, 1982

N6QW OPENED THE MEETING BY READING THE MINUTES OF THE LAST MEETING. THEY WERE APPROVED AS READ. DENNIS HAS NOW COMPLETED HIS LAST DUTY AS THE 1981/82 SECRETARY/TREASURER.

UNDER OLD BUSINESS, PROSPECTS FOR THE WPX CW CONTEST AS REPORTED BY SEVERAL MEMBERS DID NOT SOUND VERY PROMISING WITH CONDITIONS BEING SO POOR. N6RO REPORTED NOT HAVING BEEN IN A CONTEST FOR THE LAST SIX WEEKS, SO CONDITIONS MUST REALLY BE BAD!

ARMED FORCES DAY ACTIVITIES WERE REPORTED BY K6CSL WHO SAID THAT N6BT, WA6VEF, AA4KB, KN6M, KR6P, AND K6CSL OPERATED AT NPG AND ABOUT 1450 QSO'S WERE MADE IN SPITE OF SOME TRANSMITTERS BEING DOWN FOR SEVERAL HOURS AT A TIME.

K6XO REPORTED THAT A REPLACEMENT FOR HIMSELF ON THE CAC HAS NOT YET BEEN APPOINTED BY DIVISION DIRECTOR, W6ZM, SO HE WILL REMAIN ON CAC FOR THE PRESENT.

UNDER NEW BUSINESS, PRESIDENT W6SZN BROUGHT UP THE PROPOSED 20M BAND PHONE EXPANSION SUGGESTIONS AND AFTER CONSIDERABLE DISCUSSION ON THE VARIOUS ALTERNATIVES, IT WAS VOTED UNANIMOUSLY IN FAVOR OF THE PROPOSED ARRL IDEAS INCLUDING NO SPLIT-BAND PROVISIONS.

N6RO WAS APPOINTED TO HEAD A SUB-COMMITTEE FOR THE PURPOSE OF ESTABLISHING A GUIDELINE FOR THE CONTEST CLUB CODE OF ETHICS.

THE RAFFLE WAS HELD AS A BREAK IN THE MEETING WHILE THE GUEST SPEAKERS K6HNZ, N6KT AND N6RO COORDINATED THEIR TALKS. \$24 WERE TAKEN IN AND K6CSL, N6BT AND A MYSTERY MEMBER WON THE PRIZES WHICH WERE ALL NEW PUBLICATIONS ON ANTENNAS, 80 METER DXING, AND AN ANTENNA ANTHOLOGY.

THE TALKS ON CONTESTING TIPS GAVE MANY GOOD IDEAS ON IMPROVING OUR CONTEST SCORES. SOME OF THOSE WERE: SELECT A GOAL FOR YOURSELF AND GO FOR IT; PREPARATION IS VERY IMPORTANT, LOOK AT LAST YEAR'S RESULTS AND CHECK CONDITIONS A WEEK OR SO IN ADVANCE; USE A "DX EDGE" FOR GRAY LINE TIMES; CHECK OPENINGS ON 10 AND 80 METERS; DO NOT MISS THE FIRST HOUR OF ANY CONTEST; NEW W AND JA PREFIXES FOR WPX; 80 AND 40M LONGPATH OPENINGS; THE LARGEST NUMBER OF MULTIPLIERS IS MADE BY CALLING CQ.

THE MEETING WAS ADJOURNED AT 9:45 PM.

PHIL FRAZIER, K6ZM  
SCTY/TREAS

WHAT WOULD YOU LIKE TO SEE  
AT THE CLUB MEETINGS?

THE RECENTLY-DRAFTED PROGRAM CHAIRMAN, AL, WB6FCR, HAS BEEN FORCED TO RESIGN DUE TO WORK COMMITMENTS. IF YOU WOULD LIKE TO REPLACE HIM, PLEASE CONTACT W6SZN.

WHILE WAITING FOR THE CROWD OF VOLUNTEERS TO COME FORWARD, THE BoD DECIDED THAT A CONTEST MIGHT ENCOURAGE CLUB MEMBERS TO COME UP WITH PROGRAM IDEAS. PLEASE GIVE YOUR IDEAS FOR MEETING PROGRAMS TO RICK, N6XI. YOU WON'T BE HELD RESPONSIBLE TO ORGANIZE THE PROGRAM YOU SUGGEST -- JUST COME UP WITH THE TOPIC AND POSSIBLE SPEAKER(S). THE DEADLINE FOR ENTRIES IS JULY 1, 1982. THE BoD WILL SELECT THE WINNING ENTRY AND, ASSUMING THERE ARE AT LEAST 10 ENTRIES, WILL AWARD AN APPROPRIATE PRIZE AT THE JULY DINNER MEETING.

IF THERE ARE NO ENTRIES, WE WILL GO AHEAD WITH PRESENT PLANS FOR MEETING PROGRAMS, WHICH BEGIN WITH "N6KB ON OPERATING WITH LINE NOISE" (IN SIX INSTALLMENTS).

— W6SZN

MINUTES OF, NCCC  
BOARD OF DIRECTORS MEETING  
JUNE 3, 1982

THE MEETING WAS HELD AT THE HILLTOP HOME OF KN6M IN ORINDA. THOSE WHO ATTENDED WERE AA6G, KN6M, K6ZM, N6XI, W6SZN AND WA6VEF. PRESIDENT KIP OPENED THE MEETING BY PRESENTING THE PROPOSED BUDGET FOR 1982/83. AFTER DISCUSSIONS OF INCOME AND EXPENSE, THE BUDGET WAS UNANIMOUSLY ACCEPTED BY THE BoD.

KN6M SUGGESTED ONE OR TWO LINE ADVERTISEMENTS OF MEMBER'S BUSINESS SPECIALTIES AT \$3 AN ISSUE OR \$30 PER YEAR AS ANOTHER SOURCE OF CLUB INCOME. ALSO, HE WILL HANDLE THE RAFFLE AT THE N6RO PICNIC. AA6G WILL RUN THE JUNE MEETING RAFFLE.

THERE IS A NEED FOR GUEST SPEAKERS AT THE MEETINGS AND IT WAS HOPED THAT A STORY IN THE JUNE JUG WILL BRING IN SOME GOOD SUGGESTIONS. KIP WILL WRITE THE STORY (SEE ELSEWHERE THIS ISSUE).

NEW IDEAS FOR SEVERAL ANNUAL ACTIVITIES WERE INTRODUCED AND DISCUSSED BY W6SZN HOPEFULLY TO INCREASE PARTICIPATION IN THESE VARIOUS EVENTS. HE GAVE OUT SOME NEW IDEAS FOR THE CHRISTMAS PARTY THAT SHOULD MAKE IT MORE ATTRACTIVE TO THE FEMALE GUESTS. POSSIBLY A HOTEL WITH DANCING AFTER DINNER AND A VERY SHORT AWARDS PROGRAM WOULD DO IT. ALSO, SMALL GIFTS COULD BE EXCHANGED. ANY SUGGESTIONS?

PRESIDENT KIP REQUESTED THAT A JOB DESCRIPTION OF EACH ELECTIVE OFFICE IN THE NCCC BE MADE AVAILABLE BEFORE ELECTIONS SO THAT THE DUTIES OF EACH OFFICER WOULD BE CLEARLY UNDERSTOOD BY ALL PROSPECTIVE CLUB OFFICERS.

IT WAS DECIDED BY THE BoD THAT DUES COLLECTION WILL BE MADE MORE BUSINESS-LIKE BY SENDING OUT AN INVOICE TO EACH MEMBER. AA4KB WILL BE ASKED TO GENERATE AN APPROPRIATE FORM ON HIS COMPUTER.

THE SUNNYVALE OLYMPICS NEED MORE ADVANCE PUBLICITY WITH A SCHEDULE FOR THE PICNIC EVENTS AND WITH BEER SUPPLIED BY NCCC. AA6G WILL ASK WB6SHD IF HE WILL MAKE THE ARRANGEMENTS AGAIN THIS YEAR AS HE HAS DONE SO WELL IN THE PAST.

WA6VEF PROPOSED A CONTEST CLUB REUNION CONTEST ON 80M AND 40M, THE EXCHANGE TO BE NAME AND FIRST YEAR OF CLUB MEMBERSHIP. THIS COULD BE EITHER A PRE-CONTEST WARM UP OR AN ACTIVITY BETWEEN CONTESTS.

KIP ANNOUNCED THAT KA6ING, AWARDS CHAIRMAN, HAS A NUMBER OF UNCLAIMED TROPHY AWARDS AND CERTIFICATES. THESE WILL BE LISTED IN THE JUNE JUG. ALSO, HE STATED THAT THE SANTA CRUZ AMATEUR RADIO CLUB WILL HOST THE 1982 PACIFIC DIVISION CONVENTION IN SANTA CRUZ ON OCT. 8, 9, 10 AND HAVE INVITED N6BT TO MC THE CONTEST FORUM.

THE MEETING WAS ADJOURNED AT 9:45 PM.

PHIL FRAZIER, K6ZM  
SCTY/TREAS

ROSTER CHANGES

K6SEM: (H) 415)459-2340

N6RA: (W) 415)362-5556

K6XO: (W) 408)245-7522 X5133

BoD MEETING: JULY 1, N6XI  
JUG DEADLINE: JULY 10

A NOTE FROM TIME SENIOR WRITER  
ED MAGNUSON

THE JUG RECEIVED A QSL WITH THE FOLLOWING MESSAGE:

"THANKS FOR THE KIND WORDS ABOUT THE NAVASSA STORY AND FOR REPRINTING IT IN THE JUG. THIS CARD WILL CORRECT MY CALL WHICH LOOKS LIKE "UB" IN ITALICS".

**TS-830S Mods****CW Offset**

Tom Frenaye, K1KI

Here's how to change the TS-830 cw offset from 800 Hz to your preferred offset:

1. Remove the four hex bolts around the tuning knob on the front panel.
2. Slowly pull the VFO assembly out of the cabinet (the cables may make it difficult to ease it out, but it is possible). There is no need to disconnect the cables from the VFO, although it makes things a little easier.
3. Remove the five screws holding the shield onto the VFO.
4. Remove L2 (1 uH) from the VFO board (it should be clearly marked).
5. Rewind L2 with about seven more turns of #34 magnet wire as closely spaced as possible. (My L2 had 23 turns so I wound 30 turns onto the coil form.) This will reduce the offset to somewhere between 500 and 600 Hz. You can add or subtract turns to vary the frequency as you prefer (compare the rx and tx frequencies to hear the offset). A dab of glue on the coil after winding will keep things in order.
6. While you have the VFO out of the radio (and after you have put the shield back on), take the time to align the analog dial with the digital readout. Remove the tuning knob, loosen the nut on the tuning shaft and retighten.

That is it...total elapsed time should be about one hour, even for klutzes like me. Thanks to K1JX for figuring out what to change and for the inspiration to try it. ■

Tom, N4KG, measured the following offset frequencies vs standard inductor values for the K1KI/K1JX TS-830 cw offset mod. (Butt 38): 1.3  $\mu$ h = 800 Hz, 1.5  $\mu$ h = 600 Hz, 1.7  $\mu$ h = 500 Hz, 2.2  $\mu$ h = 400 Hz.

TNX TO YCCC SCUTTLEBUTT

"TO WIN THE WORLD"

A BRAND NEW, PROFESSIONALLY PRODUCED COLOR MOVIE DESCRIBING THE EFFORT AT MILLION DOLLAR M/M STATION K2GL/N2AA TO DEFEND THE WORLD TITLE IN A RECENT WW DX CONTEST. INCLUDED ARE SCENES OF THE ERECTION OF A 3 ELEMENT 80M YAGI. DON'T MISS THE SUPRISE ENDING. NARRATED BY BILL LEONARD, W2SKE, VP-CBS. THIS MOVIE WAS FIRST SHOWN AT THE DAYTON CONVENTION IN APRIL. PRESIDENT KIP WENT ALL OUT TO GET IT FOR OUR JUNE MEETING. AGAIN -- DON'T MISS IT!!!

--K6RU

WPX CW HIGH CLAIMED SCORES

<u>CALL</u>	<u>BAND</u>	<u>Q'S</u>	<u>MULT</u>	<u>SCORE</u>
K6RU	AB	315	188	155,980
K6XO	AB	288	147	79,968
AJ6V	AB	159	117	19,773
W6BIP	7	390	188	285,760
W6SZN	14	464	256	217,088

NOTE BIP'S SCORE ON 7MHZ. IT WAS DONE WITH HIS NEW SMALL 2EL ROTARY. LONGEST ELEMENT IS 30 FEET-THE WIDTH OF HIS LOT! BIP, LET'S HAVE AN ARTICLE FOR THE JUG.

FLASH!-ALL ASIAN,PHONE  
HIGH CLAIMED SCORES

KN6M+WA6VEF, N6TV, N6NE, KB6ZA, NJ6D  
1884 x 200.....384,600  
K6HNZ AB SINGLE OP 1292x184 243,800  
N6BV(W6OWQ, K6CSL OPS).....423 QSO's  
W6SZN 14MHZ 86 x 30 .....2,580  
K6XO AB 9 x 6.....54

CONTEST NOTES

1981 SS: CLUB COMPETITION, MEDIUM CATEG.  
#1 USA: NCCC 5,827,214 POINTS  
NOT BAD FOR "NO EFFORT".

1981 ARRL DX CW: XE2BC (N6OP OPR)  
10M. SINGLE OP 1431 x 56 = 240,000 PTS.  
THIS SURPASSES G4GIR'S OLD RECORD BY  
OVER 12%. CONGRATULATIONS, BILL.

1982 NORTHWEST DX CONVENTION

VANCOUVER, B.C., CANADA JULY 31-AUG.1  
REGISTRATION \$32.50 US. FORMAT SIMILAR  
TO VISALIA. CONTACT HENRY THEL, VE7WJ,  
604)534-7774 OR 604)588-0131 OR GARY,  
WA6VEF 415)538-0520.

WR6ADM NET MAY 19,26 JUNE 2,9,16,22-QN1

N6KB-NCS(4), KA6ING(4), KN6K(4), K6CSL(4),  
K6ZM(4), K6KLY(3), K6XO(3), WA6VEF(3),  
WA6BOB(2), WB6DSV(2), N6RO(2), KN6M(2),  
N16G(2), W6SZN(2), AA4KB, KB6XN, N6DKO,  
KC6D, N6CVC, WA6HKP, K6TMB, W6LH, N6KT, K6HNZ,  
WB6FCR, N6JL, K6RU.

THAT'S 28 DIFFERENT MEMBERS AVERAGING  
10 PEOPLE PER SESSION. WITH WELL OVER  
100 MEMBERS IN THE BAY AREA WE SURE CAN  
DO BETTER THAN THAT. KB!

### UNCLAIMED AWARDS

MANY CLUB MEMBERS HAVE WON TROPHIES, MEDALLIONS, AWARDS AND CERTIFICATES OVER THE PAST SEVERAL YEARS BUT, FOR SOME REASON(S), HAVE NOT BOTHERED TO CLAIM THEM. THOSE LISTED BELOW HAVE ONE OR MORE TANGIBLE CONGRATULATIONS FROM THE CLUB FOR CONTEST EFFORTS WAITING TO BE GRABBED. IF OUR ENERGETIC AWARDS CHAIRMAN, LOUESE, KA6ING, DID NOT FIND YOU AT N6RO'S BASH OR AT THE NCDXC MEETING ON JUNE 11, PLEASE GET IN TOUCH WITH HER. LOUESE HAS AGREED TO HAUL THE BOXES OF AWARDS TO THE NEXT TWO NCCC MEETINGS. IF YOU WANT YOUR AWARDS, SHOW UP AND CLAIM THEM. AFTER THAT, YOU'RE ON YOUR OWN TO MAKE ARRANGEMENTS WITH LOUESE. THE CLUB'S MEAGER TREASURY SIMPLY CANNOT SUPPORT THE COST OF MAILING THE AWARDS.

WA6AHF  
W1ARR  
K6AUC  
WA6AVS  
KC4BH  
W6BH  
K6BR  
N6CKM  
N6CN  
KA6CUG  
W6DPD  
W6FSJ  
KB6F

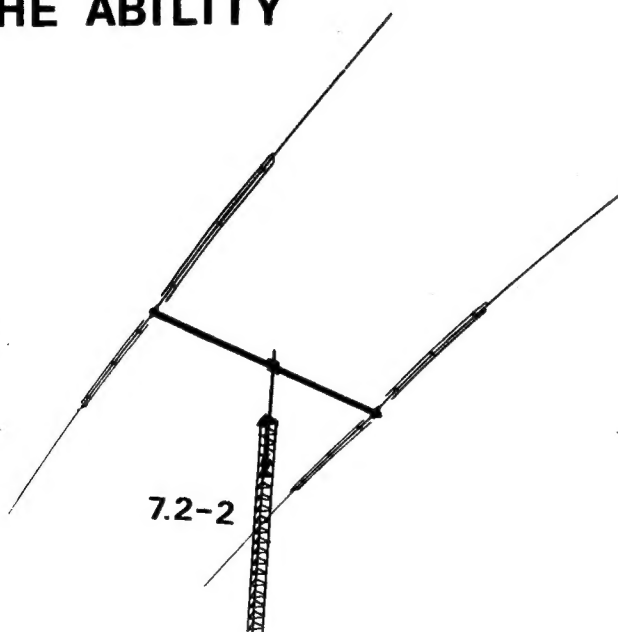
N6GJ  
K6HIH  
KV6H  
WA6HCI  
W6ISQ  
WA7LQO  
WA6JCZ  
KB6JK  
W6KG  
N6MG  
W6MSF  
W6MYP  
N9NC

N6NF  
KD6NH  
WA7NIN  
W6NKR  
WA6NTG  
W6NV  
K6PJY  
WB6PYI  
N6QC  
W6QL  
N6RA  
K6SEM  
W6SX

WB6SHD  
K6SG  
N6TJ  
K6TMB  
W6UA  
AA6UO  
W6WB  
WA6WEQ  
K6XM  
K6XV  
N6YV  
K6ZBV  
KD6ZL

--W6SZN

## YOU PROVIDE THE ABILITY



### SPECIFICATIONS

#### 7.2-2

Frequency of operation: 7.0-7.3 MHz  
(x 125 KHz)

Gain: 4.9 dBd

F/B: 12 dB

Feed Impedance: 50 ohms unbalanced w.  
(3-60 MHz 4:1 4KW balun supplied)

Max element length: 46'

Boom length/Dia: 16'/3"

Weight: 45 lbs

Windload: 6 sq ft

For Mast: 2" O.D.

The 7.2-2, on a 16 foot boom, is ideal for hams seeking well-rounded coverage of the amateur bands, as well as good DX capabilities. The linear-loaded elements virtually eliminate interaction with 20 meter beams and permit stacking as close as 4 feet.

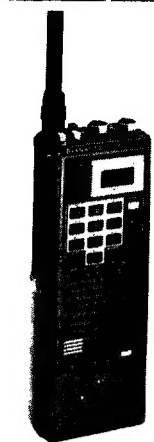
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TS-130S



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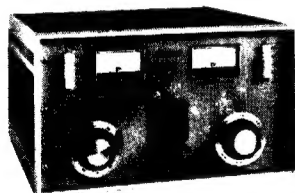


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All nine HF bands • All solid state • Broadband tuned • Digitally synthesized w/ 10Hz resolution • Two VFO's • General coverage receiver, 0.1MHz to 30MHz (no transmit, general coverage) • Simplex, duplex • RIT • 100W p.e.p. output on SSB, 100 W CW and RTTY, 40W AM • Digital readout • Passband tuning • Operating voltage, 13.8VDC @ 20A • Dozens of other desirable features.

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## NEW! YAESU FT-ONE HF TRANSCEIVER



## NEW!

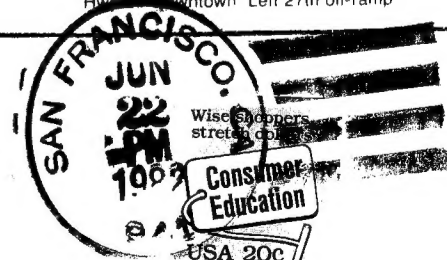
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**KENWOOD TS-930S**

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Hwy 20 downtown Left 27th off-ramp



THE CONTEST JUG-PUBLISHED MONTHLY BY  
THE NORTHERN CALIFORNIA CONTEST CLUB  
34456 COLEVILLE PLACE  
FREMONT, CA 94536

FIRST CLASS  
FIRST CLASS  
FIRST CLASS

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